

A4. Architecture Design

The attributes marked with a * are confidential and should not be disclosed outside the service provider.

Service overview																					
Service name	Architecture Design																				
Service area	consultancy																				
Service phase																					
Service description																					
Customer group	<ul style="list-style-type: none"> RI data service operators (provider) e-Infrastructure operators (provider) RI researchers (users) 																				
User group																					
Value																					
Tagline																					
Features	<ul style="list-style-type: none"> Recommendations to RIs for reference architecture Derived from D5.1 (requirements and State of the Art) Assumes RI have local e-I capability and access to European e-I 																				
Service options	<table> <tr> <th>Option</th><th>Name</th><th>Description</th><th>Attributes</th><th></th></tr> <tr> <td>1</td><td></td><td></td><td></td><td></td></tr> <tr> <td>2</td><td></td><td></td><td></td><td></td></tr> <tr> <td>3</td><td></td><td></td><td></td><td></td></tr> </table>	Option	Name	Description	Attributes		1					2					3				
Option	Name	Description	Attributes																		
1																					
2																					
3																					
Access policies																					
Service management information																					
Service owner *																					
Contact (internal) *	Keith Jeffery: NievadelaHidalgaA@cardiff.ac.uk																				
Contact (public)																					
Request workflow *	<p>As a reference for implementation by RIs</p> <ul style="list-style-type: none"> Overall architectural intent Components: catalog, common and cross-cutting services 																				
Service request list																					
Terms of use																					
SLA(s)																					
Other agreements																					
Support unit																					
User manual	ENVRlplus Deliverable D5.5: http://www.envriplus.eu/wp-content/uploads/2015/08/D5.5.pdf																				
Service architecture																					
Service components	<p>Architectural components expected to be TRL6-8</p> <table> <tr> <th>#</th><th>Type</th><th>Name</th><th>Description</th><th>TRL [1]</th></tr> <tr> <td>1</td><td></td><td></td><td></td><td></td></tr> <tr> <td>2</td><td></td><td></td><td></td><td></td></tr> </table>	#	Type	Name	Description	TRL [1]	1					2									
#	Type	Name	Description	TRL [1]																	
1																					
2																					
Finances & resources																					
Payment model(s)																					

Pricing	
Cost *	
Revenue stream(s) *	
Action required	

[1] Technology Readiness Levels (TRL) are a method of estimating technology maturity of components during the acquisition process. For non-technical components, you can specify "n/a". For technical components, you can select them based on the following definition from the EC:

- **TRL 1** – basic principles observed
- **TRL 2** – technology concept formulated
- **TRL 3** – experimental proof of concept
- **TRL 4** – technology validated in lab
- **TRL 5** – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- **TRL 6** – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- **TRL 7** – system prototype demonstration in operational environment
- **TRL 8** – system complete and qualified
- **TRL 9** – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies)